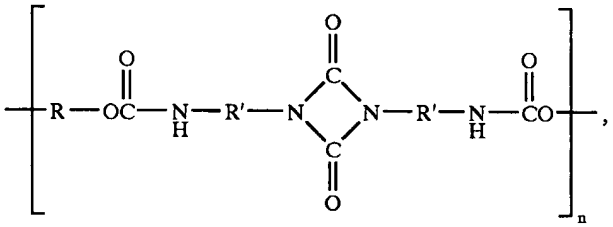
AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An aqueous, electrodepositable coating composition comprising a dispersion of an electrodepositable, active hydrogen-functional epoxy resin and an uretdione compound, wherein the uretdione compound comprises a structure of:



wherein R is a divalent alkylene radical, R' is a divalent alkylene, cycloalkylene, arylene, or alkylarylene radical, and n is an integer of 1 to about 50.

2. (cancelled)

3. (original) An aqueous coating composition according to claim [[2]] 1, wherein n is a sufficiently large number so that the compound is a solid at room temperature.

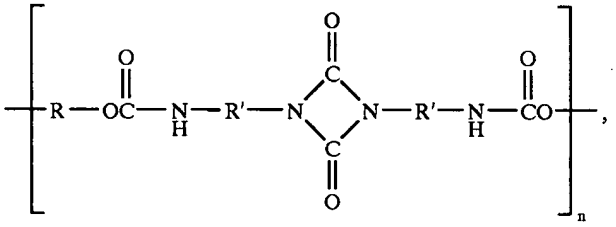
4. (original) An aqueous coating composition according to claim 1, wherein the uretdione compound is a uretdione of isophorone diisocyanate.

5. (cancelled)

6. (original) An aqueous coating composition according to claim 1, wherein the coating composition is cathodically electrodepositable.

7. (original) A method of making an aqueous dispersion coating, comprising steps of

combining a solid uretdione compound with a molten, water-dispersible epoxy resin to form a homogenous resin mixture, wherein the uretdione compound comprises a structure of:



wherein R is a divalent alkylene radical, R' is a divalent alkylene, cycloalkylene, arylene, or alkylarylene radical, and n is an integer of 1 to about 50;

salting the water-dispersible resin if necessary; and

dispersing the resin mixture in water.

8. (original) A method according to claim 7, wherein the molten, water-dispersible resin has functionality reactive with the uretdione compound.

9. (original) A method according to claim 7, wherein the coating composition contains a further water-dispersible resin having functionality reactive with the uretdione compound.

10. (original) A method according to claim 7, wherein the water-dispersible resin has quaternary groups.

11. (original) A method of coating a substrate, comprising

applying the coating composition of claim 1 to a substrate and

curing the applied coating composition to produce a cured coating layer on the substrate.

12. (original) A method according to claim 11, wherein the coating composition is applied to the substrate by electrodeposition.